

# Course : Lean transformation expert, Lean Expert IASSC™ certification

Managing a Lean improvement project

*Practical course - 9d - 63h00 - Ref. ETN*

*Price : 4740 € E.T.*

Les professionnels Lean conduisent et dirigent des projets Lean au sein d'une organisation, en travaillant sur la vision des initiatives. Dans cette formation, vous apprendrez à maîtriser tous les outils de gestion Lean et leurs applications pour contribuer à la transformation Lean dans votre organisation. Vous mettrez en oeuvre la gestion des ressources et mobiliserez les équipes autour de projets d'amélioration Lean.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Comprendre pleinement les initiatives Lean, y compris la philosophie, les principes et techniques
- ✓ Soutenir la stratégie commerciale de la direction, développer, et mettre en oeuvre des initiatives Lean
- ✓ Initiate and support Lean transformation for the organization
- ✓ Manage resources to support improvement and steer ongoing activities
- ✓ Lead, manage and coach Lean improvement teams
- ✓ Mobilizing teams around change and achieving results

## Intended audience

Professionnels souhaitant prendre en charge des projets d'amélioration complexes et d'envergure.

## Prerequisites

La certification IASSC Lean Leader ne constitue pas un prérequis. Il est toutefois conseillé d'avoir suivi le cours "Lean Leader" (Réf. PCL) ou d'avoir les connaissances équivalentes.

Cette formation est composée de 3 modules (réf. ET1, réf. ET2 et réf. ET3) de 3 jours chacun, soit 9 jours au total.

### PARTICIPANTS

Professionnels souhaitant prendre en charge des projets d'amélioration complexes et d'envergure.

### PREREQUISITES

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### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

## Certification

L'examen Lean Expert Black Belt IASSC™ est composé de 110 questions à choix multiple et vrai/faux de chaque section principale du corpus de connaissances IASSC Lean Expert. Il se déroule en ligne (en différé) sur 3 heures, à livre fermé et surveillé. Pour obtenir la certification, 70% de bonnes réponses sont requis. Certains formats de ce test peuvent également inclure jusqu'à 11 questions supplémentaires non notées à titre de contrôle.

## Practical details

### Hands-on work

Travaux pratiques individuels et en groupe, réflexion collective. Activités digitales complémentaires proposées sur les thématiques du Body of Knowledge IASSC, Lean Expert™.

### Teaching methods

Active pedagogy encouraging personal involvement and exchanges between participants.

## Composition de la formation

### Lean transformation expert

Ref. ET1 - 3 days  4 / 5

### Lean transformation expert

Ref. ET2 - 3 days  4 / 5

### Lean transformation expert

Ref. ET3 - 3 days  4 / 5

## Course schedule

### 1 Introduction to Lean management and Lean philosophy

- Introduction to Lean - its history and benefits.
- Sources of inefficiency: Muda (waste), Mura (variability), Muri (overload).
- Kaizen or DMAIC projects: what are the differences?

#### Storyboarding workshops

Exchange and reflection on Lean activities. Identify sources of inefficiency in your activity.

### 2 Aligning corporate strategy and Lean initiatives

- Identify customer expectations: Kano matrix, critical requirements, VoC, VoB, VoE...
- Structure your vision using the Hoshin Kanri matrix.
- How can we mobilize the players around a common ambition?

#### Exercise

Construction of a Hoshin Kanri matrix. Collective brainstorming on the obstacles and key success factors of a Lean approach.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

### 3 Project definition and risk management

- Framing continuous improvement projects: project selection, launch and promotion of a Lean project.
- The protagonists in Lean project management - project teamwork.
- Identifying and managing project risks.

#### Exercise

Identifying project risks. Create a project charter.

### 4 Flow typology and process mapping

- Introduction to production flows: push, pull, continuous.
- Process mapping methods and tools: SIPOC, swimlanes, Spaghetti, VSM.
- What kind of mapping do I need?

#### Group discussion

Discussion and reflection on the different types of mapping and associated benefits. Creation of a Value Stream Mapping (VSM) "initial state" (case study part 1/2).

### 5 Méthodes et outils d'optimisation : le pilier Just in Time

- Introduction to the key principles of Just In Time.
- Load balancing: Heijunka.
- Kanban benefits and standardized work.

#### Exercise

Load balancing calculation. Fun standardization workshop.

### 6 Optimization methods and tools: the Jidoka pillar

- Introduction to the key principles of Jidoka (zero defects).
- Visual alerts: implementing Andon.
- Poka-Yoke: how not to make a mistake?

#### Storyboarding workshops

Discussion and reflection on the benefits of zero defects. Creation of a VSM "final state" (case study part 2/2).

### 7 Performance management and continuous improvement

- Visual management and control dashboards.
- Definition and implementation of rituals and short interval animation.
- Progress loop and PDCA continuous improvement.

#### Role-playing

Definition of an indicator tree and steering dashboard. Definition of key elements for short interval animation.

## 8 Change management et accompagnement des parties prenantes

- Supporting cultural change within the company.
- Communication plan.
- Training and coaching of key players.

### Role-playing

Change management role play. Group brainstorming on attitudes to adopt.

## 9 Pérennisation de la démarche et préparation à la certification

- How do you embed the Lean culture and make it sustainable?
- 50-question quiz based on the concepts described in Lean Expert™ IASSC certification.
- Group debriefing.

### Example

Discussions and reflections to ensure the sustainability of the approach. Lean Expert certification preparation quiz.

## Dates and locations

### REMOTE CLASS

2026 : 11 May, 9 Sep., 7 Oct.

### PARIS LA DÉFENSE

2026 : 4 May, 2 Sep., 30 Sep.